



# भारत का राजपत्र

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NEW DELHI, SATURDAY, NOVEMBER 11, 1978 (KARTIKA 20, 1900)

इस भाग में भिन्न पृष्ठ संख्या दी जाती है जिससे कि यह अलग संकलन के रूप में रखा जा सके।

Separate paging is given to this Part in order that it may be filed as a separate compilation.

## भाग III—खण्ड 2

## PART III—SECTION 2

**पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस**

**Notifications and Notices issued by the Patent Office relating to Patents and Designs**

THE PATENT OFFICE  
PATENTS AND DESIGNS  
Calcutta, the 11th November 1978

## APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE

The dates shown in crescent brackets are the dates claimed under Section 135 of the Act.

5th October, 1978

- 1089/Cal/78. Development Consultants Private Limited. Improvements in or relating to relief valves.
- 1090/Cal/78. Radha Krishna Controls. Indicating lights.
- 1091/Cal/78. Dr. C. Otto & COMP. GmbH. A device for use with coke ovens.
- 1092/Cal/78. Elkem-Spigerverket A/S. Direct current smelting furnace.
- 1093/Cal/78. BBC Brown, Boveri & Company Limited. Device for generating ultraviolet radiation.
- 1094/Cal/78. Norton Company. Tower packing.
- 1095/Cal/78. G. N. Maslyansky, B. B. Zharkov and T. M. Klimenko. Method for preparing catalyst for reforming of gasoline fractions.

6th October, 1978

- 1096/Cal/78. Outokumpu OY. Process for selective removal of bismuth and antimony from an electrolyte, especially in electrolytic refining of copper.
- 1097/Cal/78. Plessey Handel Und Investments AG. Improvements in or relating to non-destructive testing of ferromagnetic objects. (October 6, 1977).

7th October, 1978

- 1098/Cal/78. Hans-Ulrich Bogatzki. Solar collector assembly.
- 1099/Cal/78. BASF Aktiengesellschaft. Acetanilides.
- 1100/Cal/78. Martech International Inc. Apparatus and method for laying pipe-line.
- 1101/Cal/78. J. P. Narain. Vijayam (a commercial and cheap flying machine for general mass having no extra fuel except physical energy of the driver in its work).

## APPLICATION FOR PATENTS FILED AT THE (MADRAS BRANCH)

27th September, 1978

- 177/Mas/78. T. R. Visvanathan, J. Bennet, S. Balasubramanian and M. S. Rajappa. Gypsum coated urea prills or granules.

28th September, 1978

- 178/Mas/78. Brakes India Limited. A self-operative device for adjusting the brake lining with respect to the brake drum of a braking system.
- 179/Mas/78. Brakes India Limited. A hydraulic braking system.
- 180/Mas/78. R. N. Govindarajulu. Pneumatic buffer for looms and looms fitted with such buffers.

30th September, 1978

- 181/Mas/78. Brakes India Limited. A spring stroking device.

## ALTERATION OF DATE

145565.	}	Ante-dated 5th July, 1975.
119/Bom/78.		
145569.	}	Ante-dated 5th April, 1977.
1592/Cal/77.		

## COMPLETE SPECIFICATION ACCEPTED

Notice is hereby given that any person interested in the opposing the grant of patents of any of the applications concerned may at any time within four months of the date of this issue or on form 14 prescribed under the Patents Rules, 1972 before the expiry of the said period of four months give notice to the Controller of Patents at the appropriate office as indicated in respect of each such application, on the prescribed form 15 of each opposition. The written statement of opposition should be filed along with the said notice or within one month from its date as prescribed in Rule 35 of the Patents Rules, 1972.

"The classifications given below in respect of each specification are according to Indian Classification and International Classification.

A limited number of printed copies of the specifications listed below will be available for sale from the Government of India Book Depot, 8 Kiran Shankar Ray Road, Calcutta in due course. The price of each specification is Rs. 2/- (postage extra is sent out of India) Requisition for the supply of the printed specifications should be accompanied by the number of the specifications as shown in the following list.

Typed or photo copies of the specifications together with the photo copies of the drawings, if any can be supplied by the Patent Office, Calcutta on payment of the prescribed copying charges which may be ascertained on application to that office.

## CLASS 55-D.

145561.

Int. Cl. A01n 9/00.

## A PROCESS FOR THE PREPARATION OF AN ADDITIVE COMPOSITION FOR USE IN THE FORMULATION OF MALARIAL LARVICIDAL OIL.

*Applicant :* INDIAN OIL CORPORATION LIMITED, 254-C, DR. ANNIE BESANT ROAD, PRABHADDEVI, BOMBAY-400 025, MAHARASHTRA, INDIA.

*Inventors :* MR. KULVANT SINGH ANAND, (2) MR. JATINDER MOHAN SAGAR, & MR. MANMOHAN SINGH.

Application No. 183/Bom/75 filed July 5, 1975.

Complete Specification left 30th April 1976.

Appropriate office for opposition proceedings, (Rule 4, Patents Rules, 1972) Patent Office Branch, Bombay.

3 Claims. No drawings.

A process for the preparation of an additive composition for use in the formulation of malarial larvicultural oil comprising mixing 43.71—63.60% by weight of rosin with 56.29—36.40% by weight of turpentine oil.

## CLASS 128-I.

145562.

Int. Cl. A61m 15/00.

## A DEVICE FOR THE ORAL INHALATION OF MEDICAMENTS.

*Applicant :* M/S. NATIONAL PHARMACEUTICALS, OF 17/17, PATEL HOUSE, COWASJI PATEL STREET, FORT, BOMBAY-400 001, MAHARASHTRA, INDIA.  
*Inventor :* PRATAP HIMATLALMANIAR.

Application No. 325/Bom/75 filed November 19, 1975.

Appropriate office for opposition proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 1 Claim

A device for the oral inhalation of medicaments in the form of finely divided powder contained in a capsule, the said device consisting of a front end piece having airvents to be inserted into the mouth; a bottom end piece having airvents to facilitate air to be inhaled into the device, a capsule holding member comprising of a capsule holding cup rigidly attached to a hollow rotatably mounted cylindrical axle member having propeller blades, said cylindrical axle member being suspended with in the said device on a shaft at the said front end piece of the device a spring loaded perforating clamp member having piercing tips disposed on the said bottom piece of said device in between which said capsule held in said capsule cup is disposed, said spring loaded clamp member provided with means for bringing together the said piercing tips to perforate said capsule disposed within said spring loaded clamp member and thereby spill the medicaments contained in the said capsule into the inhaled air, said means consisting of a slidably mounted hollow cylindrical member within whose annular space is contained the said bottom end piece and having inwardly directed wall-like projections which bring together the said piercing tips of said clamp member together when said slideable member is slides over the said bottom end piece towards the front end piece.

## CLASS 107F.

145563.

Int. Cl.-F02p 15/00.

## IMPROVEMENTS IN OR RELATING TO IGNITION SYSTEMS FOR PETROL ENGINES.

*Applicant & Inventor :* BABUBHAI ALIAS DHANVANTLAL JAGJIVANDAS PATEL, AT 'KALYANKUNJ', HATHIYAKHAD ROAD, WADI BARODA-390 001 STATE OF GUJARAT, INDIA.

Application No. 127/Bom/76 filed April 21, 1976.

Appropriate office for opposition proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 4 Claims

An ignition system for petrol engines wherein between the ignition coil and the distributor or the spark-plug in single stroke engines is connected in series a coil of electrically conductive wire in which coil is inserted a permanent magnet housed in mica or other insulative strips characterised in that the North Pole of the magnet faces the voltage input of this coil and the South Pole the voltage output, the said coil being connected to the lead from the distributor or spark plug in the case of single stroke engines through a fuse at one end and at the other end directly connected to a lead from the ignition coil.

## CLASS 85L.

145564.

Int. Cl.-F 231 1/00.

## A PROCESS TO PREVENT INCOMPLETE COMBUSTION OF BAGASSE IN CANE SUGAR MANUFACTURE WITH THE HELP OF AIR ENRICHED IN OXYGEN.

*Applicant & Inventor :* DR. DINKAR GOVIND TAKTE, AT KHADAMBE (BUDRU), TALUKA-RAHURI, DIST. AHMEDNAGAR, MAHARASHTRA STATE, INDIA.

Application No. 172/Bom/76 filed June 2, 1976.

Appropriate office for opposition proceedings, (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

## 3 Claims. No drawings.

A process to prevent incomplete combustion of bagasse in cane sugar manufacture comprising of introducing oxygen enriched air in the combustion zone where the bagasse is in dry stage and is characterised in that the oxygen enriched air contains 65% to 70% nitrogen which helps total combustion of the bagasse.

## CLASS 55D.

145565.

Int. Cl.-A01n 9/00.

## PROCESS FOR THE PREPARATION OF MALARIAL LARVICIDAL OIL.

*Applicant:* INDIAN OIL CORPORATION LIMITED, AT 254-C DR. ANNIE BESANT ROAD, PRABHADEVI, BOMBAY-400 025, MAHARASHTRA, INDIA.

*Inventors:* KULWANT SINGH ANAND, JATINDER MOHAN SAGAR AND MANMOHAN SINGH.

Application No. 119/Bom/78 filed April 24, 1978.

Division of Application No. 183/Bom/75 filed July 5, 1975.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Bombay Branch.

7 Claims. No drawings.

A process for the preparation of a malarial larvicultural oil for spraying on stagnant pools, tanks and ponds to combat breeding of mosquitoes which comprises mixing an additive composition consisting of an admixture of 43.71—63.60% by weight of rosin and 56.29—36.40% by weight of turpentine oil with petroleum oil fraction as herein described.

CLASS 40F. 145566.

Int. Cl.B01j 9/00.

APPARATUS TO STORE, SUPPLY AND RECOVER A CONDENSABLE COMPOUND USED IN A PROCESSING SYSTEM FOR INCREASING THE FILLING CAPACITY OF TOBACCO.

*Applicant:* R. J. REYNOLDS TOBACCO COMPANY, 4TH AND MAIN STREETS WINSTON-SALEM, NORTH CAROLINA 27102, UNITED STATES OF AMERICA.

*Inventor:* LUCAS JONES CONRAD.

Application No. 328/Cal/77 filed March 4, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims.

An apparatus which can be used to store, supply and recover a condensable compound used in a processing system in a vaporous state comprising :

(a) a closed tank having a supply of said condensable compound in its liquid state in the bottom of said tank and a chilling liquid supply less dense than the condensable compound floating on said compound.

(b) means for separating the upper portion of the tank into a condenser and compressor section;

(c) means for maintaining the chilling liquid at a selected temperature;

(d) vapor introduction means for introducing said compound in its vapor state received from the processing system into the chilling liquid supply in the condenser section of the tank whereby the vapor passes through the chilling liquid and is condensed into its liquid state, the liquid compound settling to the compound supply at the bottom of the tank;

(e) supply line connecting said tank to said processing system for delivering said compound in its liquid state to said processing system;

(f) means for regulating and maintaining pressure in the compressor section of said tank to force the liquid compound from said tank as required; and

(g) control means associated with said processing system to regulate the supply of said compound to said processing system.

CLASS 25B. 145567.

Int. Cl. B28c 5/00.

METHOD OF PRODUCING REINFORCED CLAY BASED ARTICLES AND THE ARTICLES PRODUCED THEREBY.

*Applicant:* ACI TECHNICAL CENTRE PTY. LTD., OF 813 DOWLING STREET, WATERLOO, NEW SOUTH WALES, AUSTRALIA.

*Inventor:* CLIVE ARNOLD ERSKINE.

Application No. 381/Cal/77 filed March 15, 1977.

Convention date March 15, 1976/(PC 5218/76) AUSTRALIA.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta,

24 Claims.

A method of producing a reinforced clay based article comprising forming a shaped mixture including the following ingredients in the proportions specified by percentage weight of the total solids in the composition :—

Fibrous reinforcement	1% to 30%
Clay selected from the group consisting of montmorillonitic clay, kaolinitic clay, illitic clay, or mixtures of two or more thereof.	5% to 95%
Fillers	0% to 90%
Water	20% to 94%

drying the shaped mixture, and firing the dried shape at a temperature in the range 500° to 800°C, to produce substantial stabilization of the clay in the composition against redispersion in water, without forming a ceramic article therefrom.

CLASS 83A. 145568.

Int. Cl.-A23c 11/00, A23l 1/34.

A PROCESS FOR THE PRODUCTION OF AN AQUEOUS SOYA SUSPENSION.

*Applicant:* NESTLE'S PRODUCTS LIMITED, OF NESTLE HOUSE, COLLINS AVENUE, NASSAU, BAHAMAS.

*Inventors:* THEODORE HODEL, MARCEL BUHLER AND JOSEF REHACEK.

Application No. 1457/Cal/77 filed September 28, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims. No drawings.

A process for the production of an aqueous soya suspension, which comprises grinding soya beans in the presence of water at a temperature of from 90 to 100°C to form a dispersion of particles of which the majority have dimensions of the order of 100 to 500μ; heating the dispersion by the injection of steam to a temperature of from 120 to 160°C thereby destroying the antitrypsin factor; and grinding the dispersion to form a suspension containing corpuscles of protein and fat with dimensions of the order of 2 to 10μ and cell wall debris of which the largest dimension does not exceed substantially 40 to 300μ.

CLASS 32F,b & 55D,. 145569.

Int. Cl. C07d 55/06.

A PROCESS FOR PREPARING 1-(N, N-DIMETHYL-CARBAMYL)-3-TERT. BUTYL-5-METHYLTHIO-1, 2, 4-TRIAZOLE.

*Applicant:* GULF OIL CORPORATION, AT PITTSBURGH, PENNSYLVANIA, UNITED STATES OF AMERICA.

*Inventor:* JOEL LEE KIRKPATRICK.

Application No. 1592/Cal/77 filed November 8, 1977.

Division of Application No. 516/Cal/77 filed April 5, 1977.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

**2 Claims.**

A process for preparing 1-(N, N-dimethylcarbamyl)-3-tert-butyl-5-methylthio-1, 2, 4-triazole comprising reacting 3-tert-butyl-5-methylthio-4H-1, 2, 4-triazole with phosgene, followed by reaction with dimethylamine.

CLASS 39-P & 70C. & 130G. 145570.

Int. Cl. C01g C22b 15/00.

**PROCESS FOR THE PRODUCTION OF COPPER SULPHATE FROM CHALCOPYRITE.**

*Applicant:* CHIEF CONTROLLER, RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI, INDIA.

*Inventor:* EDATHET MATHEW KURIAN.

Application No. 35/Del/76 filed November 20, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

**8 Claims.**

A process for the recovery of copper values from chalcopyrite ore which comprises in milling and concentrating chalcopyrite ore by any known method and subjecting the concentrated ore to a step of roasting the said roasting being carried out in three different stages, the first stage being carried out at temperatures in the range of 350–450°C, the second stage at higher temperature not exceeding 550°C and the third stage still higher at temperature not exceeding 650°C (thereby converting the copper and iron values (sulphide) in the said ore to their respective sulphates in the said first stage, then converting selectively the iron sulphate to insoluble form of iron oxide in the said second and third stages of roasting) leaching in known manner the product of the three stage roasting to obtain mother liquor containing copper sulphate and gangue containing iron oxide and other gangue material, separating the gangue after the leaching step and recovering copper values as copper sulphate in a known manner.

CLASS 70C. & 130-I. 145571.

Int. Cl. C22b 11/00, C22b 23/00.

**PROCESS FOR THE RECOVERY OF PRECIOUS METALS SUCH AS NICKEL, COBALT AND SILVER FROM CHALCOPYRITE CONCENTRATE.**

*Applicant:* CHIEF CONTROLLER, RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI, INDIA.

*Inventor:* EDATHET MATHEW KURIAN.

Application No. 36/Del/76 filed November 20, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

**8 Claims.**

A process for recovering precious metals from chalcopyrite ore which comprises in milling and concentrating chalcopyrite ore by any known method and subjecting the concentrated ore to a step of roasting, the said roasting being carried out in three different stages, the first stage being carried out at temperatures in the range of 350–450°C, the second stage at higher temperature not exceeding 550°C and the third stage still higher at temperature not exceeding 650°C (thereby converting the copper and iron values (sulphide) in the said ore to their respective sulphates in the said first stage, then converting selectively the iron sulphate to insoluble form of iron oxide in the said second and third stages of roasting) leaching in known manner the product of the three stage roasting to obtain mother liquor

containing copper sulphate and gangue containing iron oxide and other gangue material, separating the gangue after the leaching step and recovering copper values as copper sulphate in a known manner, and subjecting the spent mother liquor or a spent electrolyte obtained by subjecting the leached liquor to electrolysis in a known way containing values of said precious metals, copper and residual iron to a step of leaching using ammonium hydroxide as leach liquor, removing precipitated material containing iron oxide, subjecting the mother liquor containing copper complex values and ammonium sulphate to a step of heating between 50°C and 60°C to decompose copper complex values into insoluble copper and trace elements hydroxides and gaseous ammonia removing the ammonia and then filtering the hydroxide values containing copper and the trace elements subjects the hydroxide values to electrowinning of copper in a known manner and recovering the trace elements from the spent electrolyte in a known manner.

CLASS 39C. 145571.

Int. Cl. C01c 1/00, C01c 1/24.

**PROCESS FOR THE RECOVERY AS AMMONIUM SULPHATE, OF AMMONIUM HYDROXIDE USED.**

*Applicant:* CHIEF CONTROLLER, RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI, INDIA.

*Inventor:* EDATHET MATHEW KURIAN.

Application No. 37/Del/76 filed November 20, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

**8 Claims.**

A process for the recovery, as ammonium sulfate of the ammonium hydroxide used in the recovery of precious metals from chalcopyrite ores, which comprises in milling and concentrating chalcopyrite ore by any known method and subjecting the concentrated ore to a step of roasting, the said roasting being carried out in three different stages, the first stage being carried out at temperatures in the range of 350–450°C the second stage at higher temperature not exceeding 550°C and the third stage at still higher temperature not exceeding 650°C (thereby converting the copper and iron values (sulphides) in the said ore to their respective sulphates in the said first stage, then converting selectively the iron sulphate to insoluble form of iron oxide in the said second and third stages of roasting) leaching in known manner the product of the three stage roasting to obtain mother liquor containing copper sulphate and gangue containing iron oxide and other gangue material, separating the gangue after the leaching step and recovering copper value as copper sulphate in a known manner and subjecting the spent mother liquor or a spent electrolyte obtained by subjecting the leached liquor to electrolysis in a known way containing values of said precious metals, copper and residual iron to a step of leaching using ammonium hydroxide as leach liquor, removing precipitated material containing iron oxide, subjecting the mother liquor containing copper complex values and ammonium sulphate to a step of heating between 50°C and 60°C to decompose copper complex values into insoluble copper and trace elements hydroxides and gaseous ammonia, removing the ammonia and then filtering the hydroxide values containing copper and the trace elements, thereafter followed by subjecting the filtrate obtained after the removal of hydroxide values of Cu and precious metals and containing ammonium sulfate in solution to a step of evaporation to obtain solid ammonium sulphate in a known manner.

CLASS 39-K. 145573.

Int. Cl. C01b 17/72.

**PROCESS FOR THE PREPARATION OF SULPHURIC ACID FROM SULPHUR VALUES IN CHALCOPYRITE ORE.**

*Applicant:* CHIEF CONTROLLER, RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI, INDIA.

*Inventor:* EDATHET MATHEW KURIAN.

Application No. 38/Del/76 filed November 20, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims.

A process for producing sulphuric acid from the sulfur valves contained in chalcopyrite ore, which comprises in milling and concentrating chalcopyrite ore by any known method and subjecting the concentrated ore to a step of roasting, the said roasting being carried out in three different stages, the first stage being carried out at temperatures in the range of 350-450°C the second stage at higher temperature not exceeding 550°C and the third stage still higher at temperature not exceeding 650°C [thereby converting the copper and iron values (sulphide) in the said ore to their respective sulphates in the said first stage, then converting selectively the iron sulphate to insoluble form of iron oxide in the said second and third stages of roasting] the gaseous products leaving the roaster and consisting chiefly of SO<sub>2</sub> produced from the sulphur valves of the chalcopyrite ore during the three stage roasting being collected and then converted to sulphuric acid in a conventional manner.

CLASS 108B,b.

145574.

Int. Cl. C21b 13/00.

PROCESS FOR RECOVERING IRON VALUES FROM CHALCOPYRITE ORES IN THE FORM OF SPONGE IRON.

*Applicant:* CHIEF CONTROLLER, RESEARCH & DEVELOPMENT, MINISTRY OF DEFENCE, GOVERNMENT OF INDIA, NEW DELHI, INDIA.

*Inventor:* EDATHET MATHEW KURIAN.

Application No. 39/Del/76 filed November 20, 1976.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

8 Claims.

A process for producing sponge iron from the iron values of chalcopyrite ore which comprises in milling and concentrating chalcopyrite ore by any known method and subjecting the concentrated ore to a step of roasting, the said roasting being carried out in three different stages, the first stage being carried out at temperatures in the range of 350-450°C the second stage at higher temperature not exceeding 550°C and the third stage still higher at temperature not exceeding 650°C [thereby converting the copper and iron values (sulphide) in the said ore to their respective sulphates in the said first stage, then converting selectively the iron sulphate to insoluble form of iron oxide in the said second and third stages of roasting] leaching in known manner the product of the three stage of roasting to obtain mother liquor containing copper sulphate and gangue containing iron oxide and other gangue material, separating the gangue after the leaching step followed by converting the insoluble iron oxide residue of the gangue material in a known manner to sponge iron.

CLASS 131B,a.

145578.

Int. Cl. E21c 25/00.

CUTTING CHAINS FOR MINING MACHINES.

*Applicant:* DOSCO OVERSEAS ENGINEERING LIMITED, OF PLANAR HOUSE, WALTON STREET, AYLESBURY, BUCKINGHAMSHIRE, ENGLAND.

*Inventor:* BRUCE CHARLES RALPH FOSTER & KENNETH BAMFORD.

Application No. 2147/Cal/76 filed December 3, 1976.

Convention date December 15, 1975 (51197/75) U.K.

Appropriate office for opposition Proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A link for a cutting chain comprising a forward coupling and a rear coupling, the forward coupling defining a recess

adapted to receive the rear coupling of a similar link, and one or more pick boxes each adapted to hold a point-attack pick mounted on the link symmetrically with respect to the longitudinal centre plane of the link.

CLASS 85C & Q.

145580.

Int. Cl. F23h 9/00.

A DISCHARGE SYSTEM FOR DISCHARGE OF PROCESSED MATERIAL FROM VERTICAL SHAFT KILN.

*Applicant:* COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, RAFTI MARG, NEW DELHI-110011, INDIA.

*Inventor:* SJIRIPURAPU KONDALA RAO, SAMAREN-DRA NATH DUTT & UMAPADA CHOUDHURY.

Application No. 163/Del/77 filed July 20, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Delhi Branch.

3 Claims.

A discharge system for discharge of processed material from vertical shaft kiln, comprising a conical shaped step-down rotary grate which is driven by a power drive through an intermediate shaft characterized in that the conical shaped step-down rotary grate is provided with a hub which is mounted on a grate supporting shaft and at the top eccentrically connected to a base plate on which are supported grate plates which are interconnected to conical shape, with the top most plate is held by means of a bolt connection with the hub through a cover plate which is fixed to the hub, the grate plates are provided with radial grooves at the bottom for passage of process air through grate, the intermediate shaft is connected by flange couplings with the power drive and the grate supporting shaft thereby forming a connection between the power drive and the grate.

PATENTS SEALED

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#### RESTORATION PROCEEDINGS

Notice is hereby given that an application for restoration of Patent No. 134681 dated the 19th February, 1972 made by Institutul De Cercetare Si Proiectare Tehnologica Pentru Prelucrarea Titieiului on the 16th February, 1972 and notified in the Gazette of India, Part III, Section 2 dated the 13th May, 1978 has been allowed and the said patent restored.

#### REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

- The date shown in each entry is the date of registration of designs included in the entry.
- Class 1. No. 146326. Hercules Products, 55, Raj Baug Estate, Pydhonie, Bombay-400 003, State of Maharashtra, an Indian Partnership Firm. "Burner". December 9, 1977.
- Class 1. Nos. 146831 to 146836. Union Carbide India Limited, an Indian Company, of 1, Middleton Street, Calcutta-700 071, West Bengal, India. "Electric dry cell". March 21, 1978.
- Class 3. No. 146232. Bombay Burma Plastics, 119, Adhyaru Industrial Estate, Sunmill Compound, Sunmill Road, Lower Parel, Bombay-400 013, Maharashtra, an Indian Partnership Firm. "Puzzle game". November 17, 1977.
- Class 3. No. 146233. Brahma Bharati Udyog, 119, Adhyaru Industrial Estate, Sunmill Compound, Sunmill Road, Lower Parel, Bombay-400 013, Maharashtra State, an Indian Partnership Firm. "Toy platol". November 17, 1977.
- Class 3. No. 146234. Brahma Bharati Udyog, 119, Adhyaru Industrial Estate, Sunmill Compound, Sunmill

Road, Lower Parel, Bombay-400 013, Maharashtra, an Indian partnership Firm. "Soap case". November 17, 1977.

- Class 3. No. 146235. Brahma Bharati Udyog, 119-Adhyaru Industrial Estate, Sunmill Compound, Sun mill Road, Lower Parel, Bombay-13, Maharashtra, an Indian partnership Firm. "Lamp shade". November 17, 1977.
- Class 3. No. 146239. Chander Parmanand Thakur, an Indian C/o Rajen Industrial Corporation, 95/205, Dadasaheb Phalke Road, Below Park Lane Hotel, Near Dadar Station, Bombay-400 014, Maharashtra, India. "Chutney attachment". November 19, 1977.
- Class 3. No. 146240. Chander Parmanand Thakur, an Indian C/o Rajen Industrial Corporation, 95/205, Dadasaheb Phalke Road, Below Park Lane Hotel, Near Dadar Station, Bombay-400 014, Maharashtra, India. "Hair dryer". November 19, 1977.
- Class 3. No. 146269. Bombay Burma Plastics, 119, Adhyaru Industrial Estate, Sunmill Compound, Sunmill Road, Lower Parel, Bombay-400 013, Maharashtra, an Indian Partnership Firm. "Toys". November 29, 1977.
- Class 3. No. 146311. Nurit Inks Private Limited, an Indian Company, of 30, Alarmelamangal Puram, Madras-600 004, Tamil Nadu, India. "An ink bottle". December 8, 1977.
- Class 3. No. 146837. Richardson-Merrell Inc., a Corporation organized under the laws of the State of Delaware, at Ten Westport Road, Wilton, Connecticut 06897, United States of America. "A bottle". March 21, 1978.
- Class 3. No. 146839. Ultima Company, 13/3, Rasulpura, Secunderabad-500 003, State of Andhra Pradesh, an Indian Proprietary Firm. "Kitchen mill". March 22, 1978.
- Class 3. No. 146844. Mangat Ram Chaudhury, an Indian Proprietary concern, D-52, Bhagat Singh Road, Adrash Nagar, Azadpur, Delhi-110033, India. "Viewer". March 22, 1978.
- Class 3. No. 146846. Pilco Cycloplast Udyog, 2948-Baradari, Ballimaran, Delhi-110006, an Indian Partnership Concern. "Grip for cycle handle". March 23, 1978.
- Class 3. Nos. 148656 & 146857. Mona Toys Industries, A Partnership Firm, of C-124, Rewari Line, Industrial Area, Phase-II, Maya Puri, New Delhi-27, India. "Toys". March 28, 1978.

S. VEDARAMAN,  
 Controller-General of Patents,  
 Designs and Trade Marks.